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UNPACKING

Ensure that the following items are included with the Digital Satellite Decoder (DSD):

1 x Remote Control Unit (RCU)
2 x AAA Batteries
1 x Flylead
1 x Mains Cable
1 x User Manual (Operating Instructions)

SAFETY

This decoder meets/exceeds International Safety Standards. Please read the following recommended safety precautions carefully.

MAINS SUPPLY: 210-250 V AC 50 Hz ONLY.

LIQUIDS: Keep liquids away from the decoder.

CLEANING: Use a dry cloth to clean the exterior.

VENTILATION: Do not block the decoder ventilation holes. Ensure that free airflow is maintained around the decoder. NEVER stand the decoder on soft furnishings or carpets. Do not use or store the decoder where it is exposed to direct sunlight, or near a heater. Never stack other electronic equipment on top of the decoder.

ATTACHMENTS: Do not use any attachment that is not recommended by the manufacturer, as it may cause a hazard or damage the equipment.

CONNECTION TO THE SATELLITE DISH LOW NOISE BLOCK (LNB): The LNB connector cable has a voltage on its centre core. It is therefore recommended that the decoder is disconnected from the mains power before connecting or disconnecting this cable. **FAILURE TO DO SO COULD DAMAGE THE LNB**.

SERVICING: Do not attempt to service this product yourself. Any attempt to do so will make the warranty invalid. Refer all servicing to a qualified service agent.

LIGHTNING: If the decoder is installed in an area subject to intense lightning activity, protection devices for the decoder mains connector and modem telephone line are essential. The individual manufacturer's instructions for safeguarding other equipment, such as TV set, Hi-Fi, etc., connected to the decoder, must also be followed during lightning storms.

EARTHING: The earth of the LNB cable MUST BE DIRECTLY CONNECTED to the system earth for the satellite dish. The earthing system must comply with local regulations.

Refer to the Installation Indemnity on page .

PREFACE

The digital satellite decoder introduces exciting new technology. This manual provides full information on how to use the decoder and enjoy the benefits of all its features.

The decoder is easy to use, even for those users unfamiliar with, or intimidated by, modern technology. The more advanced and more complex features can be avoided until you become comfortable with the basic operation of the system.

The manual provides:

- Important safety precautions; please study them.
- Overview material; read only those parts that interest you. It is not necessary to study the manual from cover to cover before using the decoder.
- Step-by-step instructions on how to use the decoder and its advanced features.
- Step-by-step instructions on how to install the decoder and connect it to basic sound and TV systems. It is beyond the scope of this manual to include all of the possible configurations or installation procedures.
- Troubleshooting guide to assist you if you have difficulty with operating the decoder correctly, or technical problems occur.

The operation of the decoder can be upgraded using over-the-air signals (typically in the morning). This manual and the menus downloaded in the decoder are therefore subject to change at any time.

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DIGITAL SATELLITE SERVICES

The decoder has been designed to receive and process digital signals from the Optus B3 Aurora satellites. The satellites act as mirrors in the transmission process, beaming the Service Provider's signals back to your satellite dish. Compared to conventional TV (analogue), digital technology presents higher quality pictures, sound comparable to that of a CD, and many more services.

Satellite technology also enables excellent reception of satellite TV services in remote rural areas where good quality terrestrial reception has never before been possible.

The term "Services" is used instead of "Channels" because compressed digital TV and audio technology efficiently uses available bandwidth, allowing several services to use the bandwidth of one channel.

In addition to the digital TV and audio signals, satellite signals also contain data that the decoder extracts, processes and stores. This provides up-to-date text information on the content and status of the various services at the touch of a button. Convenient facilities are also provided to manipulate received data in order to customise viewing and listening preferences.

Due to the nature of compressed digital TV, many more features will become available in the near future.

CONDITIONAL ACCESS

Although some satellite TV and audio services are free to air, most TV and audio services can only be enjoyed via the conditional access components. These are the removable Smart Card and a built-in conditional access process already fitted into the system.

Smart Card

The Smart Card looks similar to a credit card and is inserted into the slot behind the right-hand front flap of the decoder.

A valid Smart Card entitles you to view and listen to all the services you choose.

Inserting the Smart Card

The Smart Card is the key to unlocking the decoder. The decoder will not decode scrambled TV or audio services if the card is not inserted or is incorrectly inserted.

Inserting the Smart Card into the decoder allows instant access to all the services.

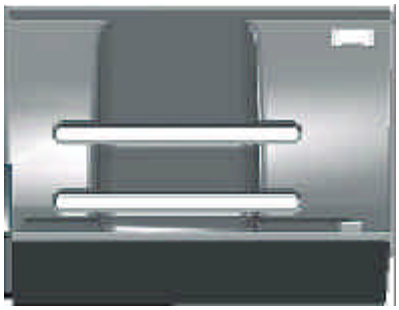
The Smart Card is not required for access to menus.

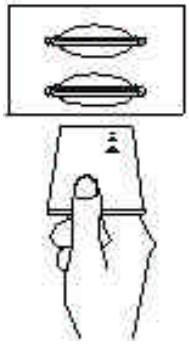
The Smart Card is updated over-the-air each time there are new services available.

To insert the Smart Card, follow the instructions carefully.

1 Open the right hand flap on the front of the decoder (see figure) Swing the flap downwards to expose the card slot to the right of the row of keys.

2 Hold the Smart Card horizontally with the logo on top and the three arrows pointed towards the front of the card. Insert the card fully into the **open** bottom slot.





THE DIGITAL SATELLITE DECODER (DSD)

The DSD combines a high quality MPEG-2 and DVB compliant satellite receiver, with a sophisticated decoder in one package. The DSD provides all that you need to exploit the exciting new satellite services that are now available.

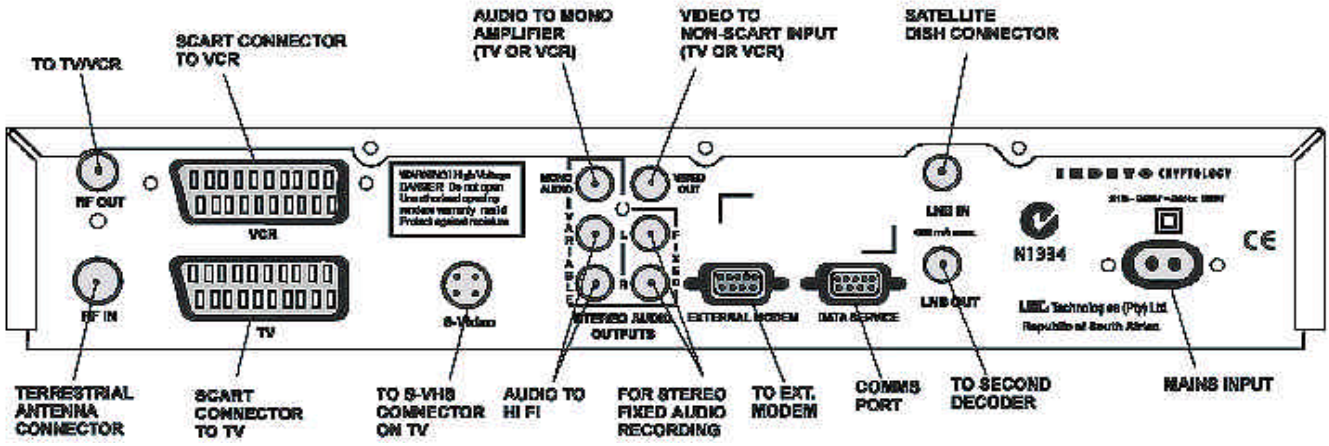
DISPLAY

Y G R	Y G R	Y G R	Y G R	Y G R
Green dot STU in Standby mode	Service No. 17 selected	Green light - Audio services selected	Rotating bar. Searching for service information	Three flashing bars and red light. Service not found, or signal of inferior quality
Y G R	Y G R	Y G R	Y G R	Y G R
Download in progress. Steady yellow light	Green dot flashes when RCU keys are pressed	Yellow light. Mail message waiting	Red light Error indication	Menu selected

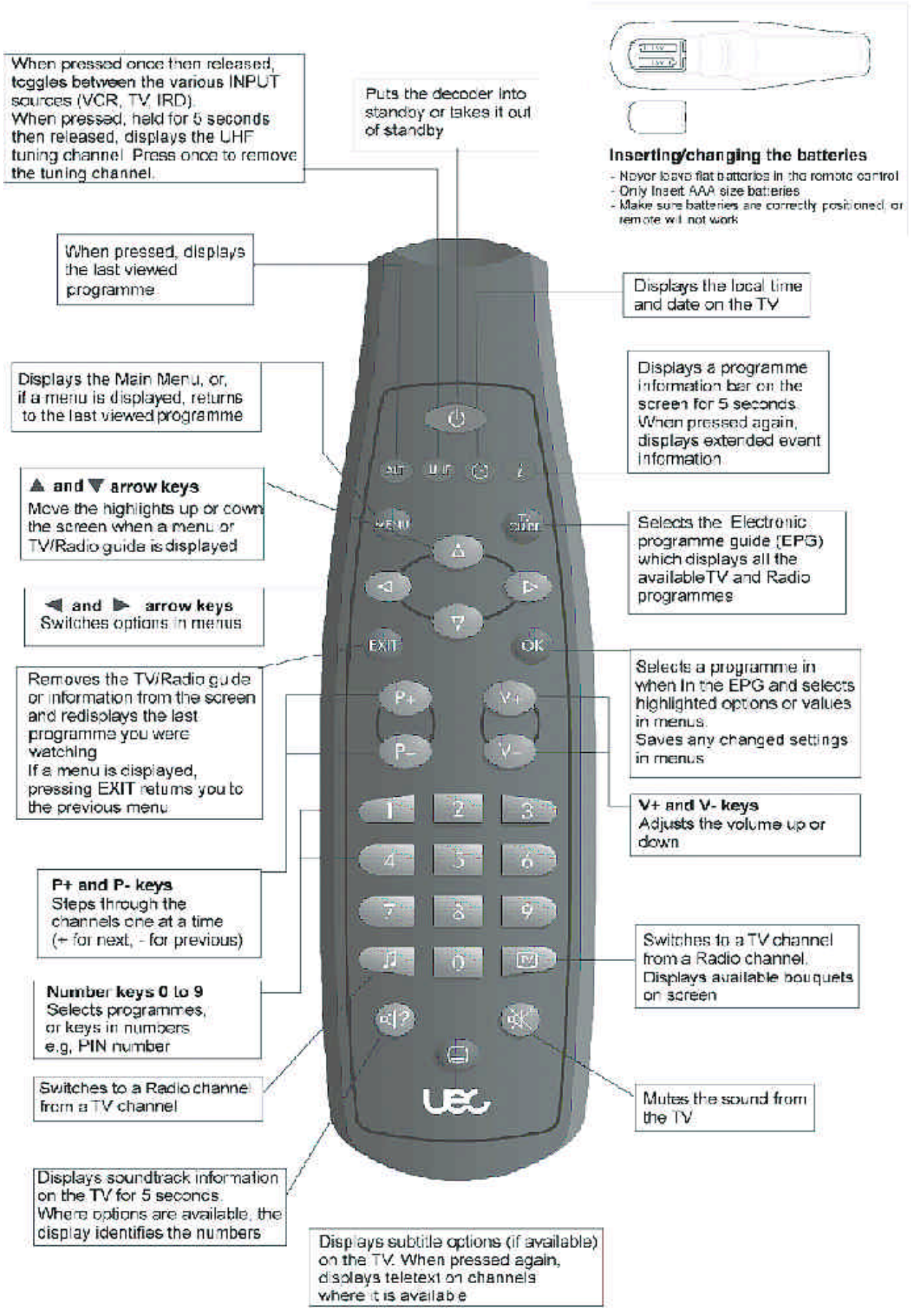
FRONT PANEL KEYS

Key	Description
⏻	Switches the decoder between normal and standby modes
TV/♫	Switches between TV and Audio services
P/V	Switches between programme selection and volume control
▲	Selects next service on list (up) or increases volume level
▼	Selects previous service on list (down) or decreases volume level
⏻ and TV/♫	When pressed simultaneously, reset the operation of the decoder

REAR PANEL CONNECTIONS



Remote Control Unit (RCU)


When pressed once then released, toggles between the various INPUT sources (VCR, TV, IRD).
When pressed, held for 5 seconds then released, displays the UHF tuning channel. Press once to remove the tuning channel.
Puts the decoder into standby or takes it out of standby
Inserting/changing the batteries
- Never leave flat batteries in the remote control
- Only insert AAA size batteries
- Make sure batteries are correctly positioned or remote will not work
When pressed, displays the last viewed programme
Displays the local time and date on the TV
Displays the Main Menu, or, if a menu is displayed, returns to the last viewed programme
Displays a programme information bar on the screen for 5 seconds. When pressed again, displays extended event information
▲ and ▼ arrow keys
Move the highlights up or down the screen when a menu or TV/Radio guide is displayed
Selects the Electronic programme guide (EPG) which displays all the available TV and Radio programmes
◄ and ► arrow keys
Switches options in menus
Removes the TV/Radio guide or information from the screen and redisplays the last programme you were watching
If a menu is displayed, pressing EXIT returns you to the previous menu
Selects a programme in when in the EPG and selects highlighted options or values in menus.
Saves any changed settings in menus
V+ and V- keys
Adjusts the volume up or down
P+ and P- keys
Steps through the channels one at a time
(+ for next, - for previous)
Switches to a TV channel from a Radio channel.
Displays available bouquets on screen
Number keys 0 to 9
Selects programmes, or keys in numbers e.g. PIN number
Switches to a Radio channel from a TV channel
Mutes the sound from the TV
Displays soundtrack information on the TV for 5 seconds. Where options are available, the display identifies the numbers
Displays subtitle options (if available) on the TV. When pressed again, displays teletext on channels where it is available

GETTING STARTED

NOTE: **Unless absolutely necessary, do not change installation, connections or decoder setup, or carry out any retuning on a working system. If changes are made, note all changed settings in the table on page 30.**

Installation of the satellite dish and cabling to the DSD

Installation procedures for satellite dishes and cabling to DSDs are outside the scope of this manual. Please refer to the manuals provided with your satellite dish and associated equipment if you decide to do the installation yourself.

Installation Indemnity

1 For the decoder to operate, it is required to correctly install and align a satellite dish and a Low Noise Block (LNB) converter.

2 Each and every INSTALLER acts as an independent contractor and is not a servant, sub-contractor or agent of the manufacturer. The manufacturer is, therefore, not liable for any loss or damage of any nature whatsoever caused by the conduct of the installer, including but not limited to:

a. Any direct, indirect or consequential damages of any nature or any loss of profit or other special damages of any nature which the USER may suffer as a result of any breach by the INSTALLER of any of its obligations to the USER.

b. Any loss or damage to any property of the user or any third party, situated on the USER's premises even if loss or damage arises out of any part of the INSTALLER.

3 The manufacturer does not directly or indirectly warrant or guarantee or make any representations whatsoever with regard to any equipment, including, but not limited to any dish, LNB, or cabling, used by the INSTALLER.

4 Subject to any express warrant or guarantee given by the manufacturer, in writing, the manufacturer does not:

a. Give any warranty or guarantee or make any representation whatever in respect of any work carried out by the INSTALLER.

b. Accept any liability for any latent or other defect in any work carried out by the INSTALLER.

Setting-up the System

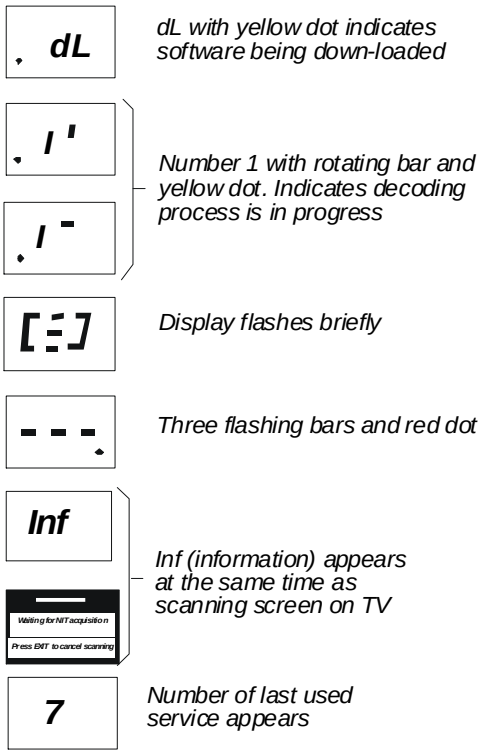
1 Install and align satellite dish (installer).

2 Connect the decoder to the TV set (either SCART to SCART or RF OUT on the decoder to RF IN on the TV). (See Optional Decoder Connections.)

Switching on the Decoder at the Mains

When you switch on the decoder at the mains, it goes through a power-up sequence, then attempts to find a signal at the specific factory-set frequency. During this process, various indications are displayed on the decoder display and TV, as shown in the following sequence of drawings:

NOTE: If the TV is not tuned to the channel chosen to view the satellite services, the sequence is still the same, but the TV will not display the scanning screen. To tune the TV to the decoder services, tune the TV as per *Tuning Your TV*.



dL with yellow dot indicates software being down-loaded

Number 1 with rotating bar and yellow dot. Indicates decoding process is in progress

Display flashes briefly

Three flashing bars and red dot

Inf (information) appears at the same time as scanning screen on TV

Number of last used service appears

If your TV has been tuned to accept the decoder services, but your smart card has not been inserted into the decoder, an error message will appear on your TV screen.

If your decoder was in standby mode at mains power switch off, the decoder will display a green dot when mains power is restored. Press On/Off symbol to restore viewing.

Tuning your TV

If your TV is not tuned to the decoder viewing channel, you will not be able to view the satellite services. Your VCR, decoder and TV can also interfere with each other unless they are tuned in correctly. The output of the decoder can be tuned over the whole UHF band using the following recommended method (refer to the following figures):

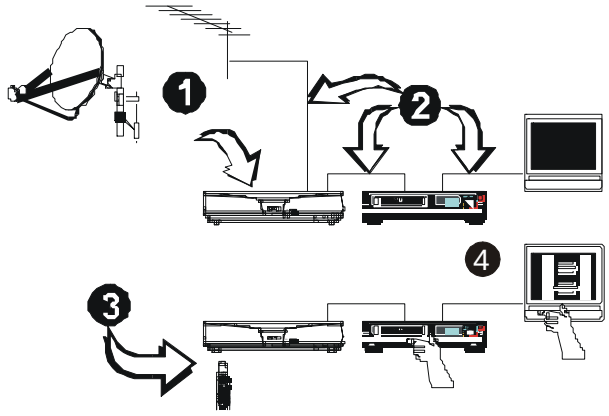
1 Connect the satellite dish and terrestrial antenna (installer).

2 Connect the installation as shown (if VCR installed).

3 Switch on the TV and select an unused channel to use with your VCR.

4 Switch on your VCR, then set its test signal to ON (see VCR instruction manual).

5 Tune the TV to the test signal from the VCR. Switch off the VCR test signal.



6 On the TV, select any unused channel on which you wish to view your satellite programmes. Once selected, all your satellite services will be viewed on this channel, selection of the service being made using the RCU.

7 Press and hold UHF on the RCU for approx. 5 seconds until UHF is displayed on the decoder display. Tune your TV set to receive the decoder test signal display (see following figure).

A Channel number (initially 38) will be displayed on the decoder front panel display.

Press UHF on the RCU to remove the test signal.

Check that any noise from the decoder does not interfere with signals received on the VCR.

Check all tuned channels on the TV for interference.

8 If any interference is noticed, change the UHF channel number as follows:

Press and hold UHF on the RCU to display UHF on the decoder display and the UHF test screen on the TV.

Change the channel number to 2 more or 2 less than the existing number (36 or 40) by pressing ◄ or ► twice on the RCU.

Press OK to save. The following will happen as soon as ◄ or ► is pressed:

a. The TV display is lost because the TV is not tuned to the new channel.

b. The new channel number is displayed on the front panel of the decoder.

On the TV, retune the channel allocated to the decoder until the decoder test pattern is clearly visible.

Repeat step 8 until interference on all channels is eliminated.

NOTE: After changes have been made, the decoder must not be switched off for at least 3 minutes to allow for the new setting to be saved.

If interference is still present, it is recommended that good quality screened cables (preferably double screened) are used for interconnecting all other equipments to the decoder.

Adding a Modem

Many exciting interactive features will be available in the future (Impulse Pay Per View, Video on Demand, etc.). The decoder is ready for these features as it can accommodate an optional built-in modem. A modem port for connection to your telephone line via an external (faster) modem is provided on the rear panel.

Standby and Normal Modes

The decoder does not have a mains power on/off switch and it is recommended that, for normal viewing, it remains connected to the mains after installation. When the decoder is not in use, it should be switched to the standby mode using the ⏻ symbol on the front panel or on the RCU.

The standby mode is indicated by a constant small green dot on the right of the decoder display panel. To use the decoder after the initial installation:

1 Switch on the TV and any other equipment included in the system.

2 Select the channel on the TV that you have allocated for viewing the satellite services.

3 If the decoder is in the standby mode, press ⏻ on either the RCU or decoder front panel, to return to the normal viewing mode. A service number will be displayed on the front panel indicator.

4 If you wish to select the Audio Services, press the ♫ key on the RCU, or ♫ on the decoder front panel. If subscribed to, an audio service will be heard, and the audio programme information box will be displayed on the TV. A green indicator on the front panel display is illuminated while the decoder is in the Audio Services mode.

TV Services are restored by pressing TV on the RCU, or TV on the decoder front panel.

NOTE: **When switching from normal to standby then back to normal, the decoder automatically returns to the previously selected service.**

If a SCART VCR is connected, it is not necessary to take the decoder out of standby to view VCR play back.

5 The decoder is set up to the local default settings by the manufacturer. If it becomes necessary to change the installation parameters consult your local installer.

Optional Decoder Connections

Introduction

There are several ways of connecting the decoder to an existing entertainment system.

The following more common examples enable you to view satellite services and terrestrial channels, record and playback from a VCR and listen to CD quality stereo sound on a Hi-Fi.

Consult your local installer for assistance in setting up an audio/ video configuration best suited to your requirements.

Hints to Quality TV System Configurations

- Where possible, connect cables via audio/video outputs/i inputs (SCART or RCA) instead of RF connectors.
- Use an appropriate, correctly installed satellite dish system.
- Ensure that the system is properly earthed and protected against lightning.
- Use high quality stereo TV and Hi-Fi equipment.
- Use high quality screened cables.

NOTE: When Video and Audio Inputs/Outputs are used, it may be necessary to select a Video mode on the VCR and TV in place of a TV mode.

Satellite Decoder, TV (using SCART or RF Interface)

NOTE: As the LNB carries a small voltage from the decoder on its centre connector, it is recommended that the decoder is switched off at the mains before connecting or disconnecting the LNB connector to/from the decoder.

1 Connect the terrestrial antenna connector to the RF IN socket on the satellite decoder.

2 If a VCR is included in the installation, this is connected into the system as per the diagram on page 10.

The following instruction applies if your TV has a SCART connector.

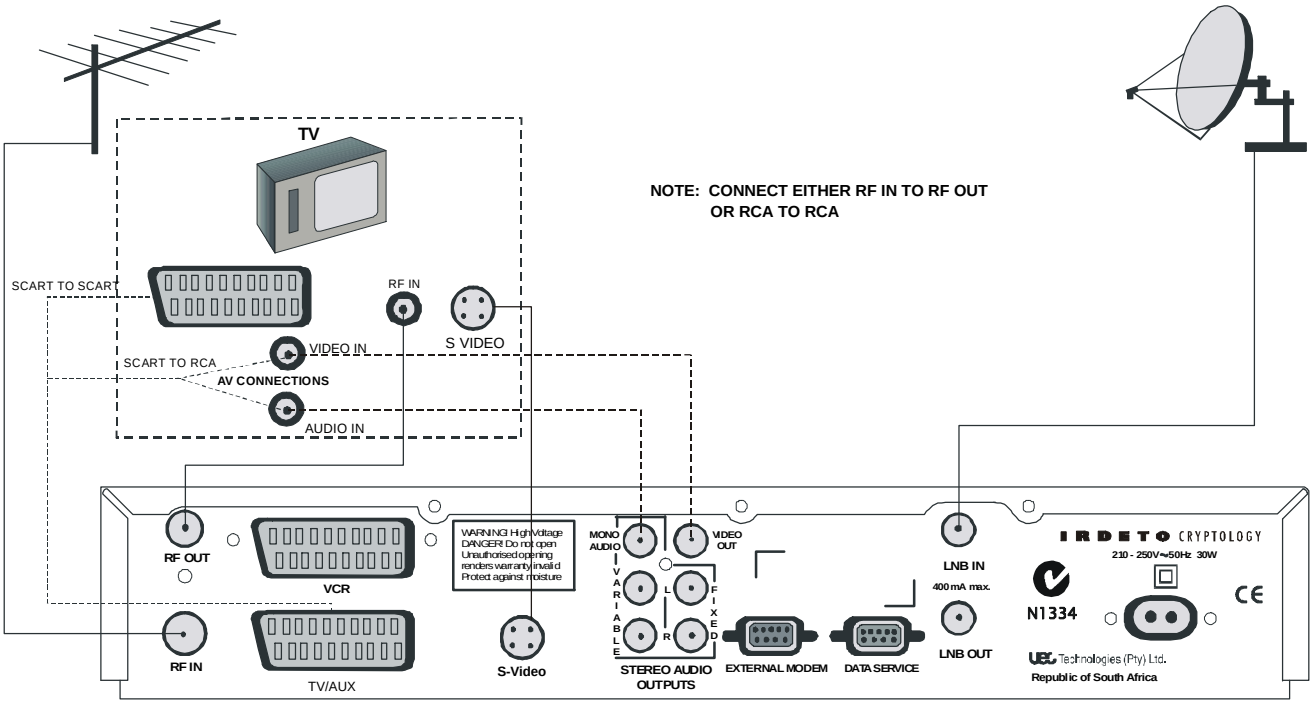
3 Using a SCART-to-SCART cable (not supplied), connect the TV SCART socket on the decoder to the SCART socket on the TV.

The following instruction applies if your TV does not have a SCART connector.

4 Use the supplied flylead to connect the RF OUT socket on the decoder to the RF IN socket on the TV.

5 Connect the coaxial cable connector from the LNB on the satellite dish into the socket marked LNB IN on the decoder. The connector on the coaxial cable should be turned until it is finger tight.

6 If your TV has a S Video connector, connect to S VHS connector on the decoder. Also, connect Mono Audio on decoder to Audio In on the TV.



REAR PANEL

Decoder, TV (SCART or RF Interfaces), Hi-Fi

NOTE: It is recommended that you switch off the mains supply to the decoder before connecting or disconnecting the LNB connector.

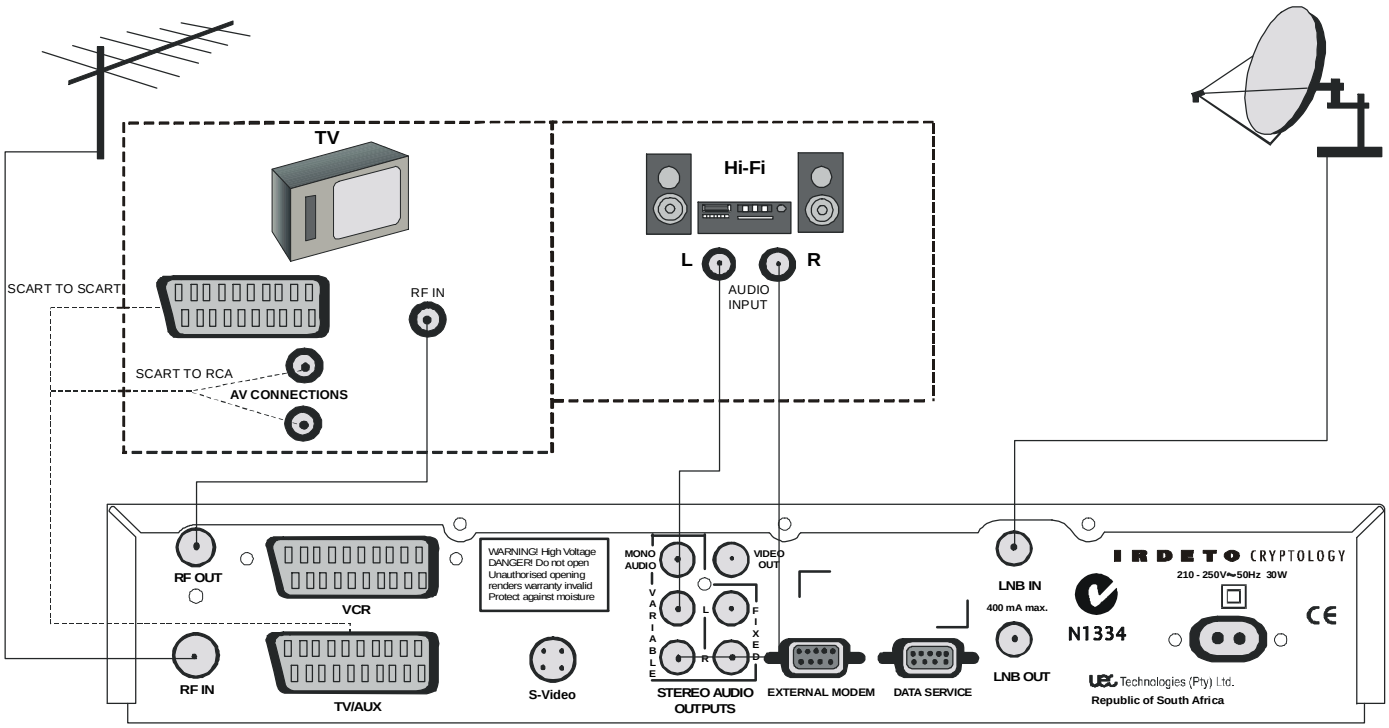
1 Connect the terrestrial antenna connector to the RF IN socket on the decoder.

2 Connect a flylead between the variable stereo sound outputs on the decoder and the audio inputs on the Hi-Fi.

3 Connect the coaxial cable connector from the LNB on the satellite dish into the connector marked LNB IN on the decoder. The connector on the coaxial cable to the decoder should be finger tight.

4 Using a SCART-to-SCART cable (not supplied), connect the TV SCART socket on the decoder to the SCART socket on the TV.

5 If the TV does not have a SCART socket, use the supplied flylead to connect the RF OUT connector on the decoder to tthe RF IN connector on the TV.



REAR PANEL

Decoder, VCR, TV, Hi-Fi

NOTE: It is recommended that you switch off the mains supply to the decoder before connecting or disconnecting the LNB connector.

1 Connect the terrestrial antenna connector to the RF IN socket on the decoder.

Follow Steps 2 to 4 if you are not using SCART connectors

2 Using the supplied flylead, connect the RF OUT connector on the decoder to the RF IN connector on the VCR.

3 Using the flylead supplied with the VCR, connect RF OUT on the VCR to the RF IN on the TV

.

4 Connect the coaxial cable from the satellite dish to the LNB IN connector on the decoder. Tighten the connector finger tight.

Follow steps 5 and 6 if you are using SCART connections

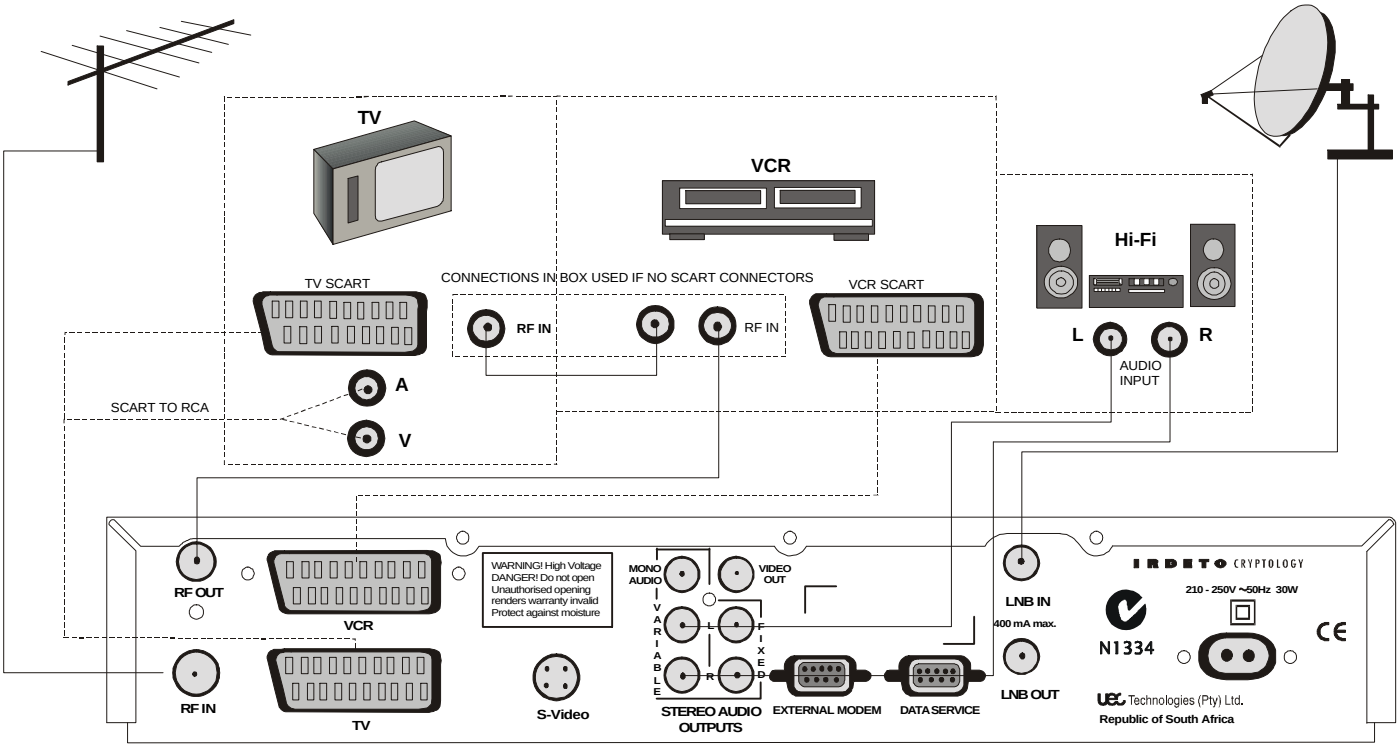
5 Using a SCART-to-SCART cable (not supplied), connect the TV SCART connector on the decoder to the SCART socket on the TV.

6 Using another SCART cable, connect the VCR SCART on the decoder to the SCART on the VCR.

7 Connect the VARIABLE LEFT and RIGHT HI-FI AUDIO OUT connectors on the decoder to the LEFT and RIGHT AUDIO INPUT connectors on the Hi-Fi.

8 Switch power on to the decoder.

9 Set the TV and VCR Scart Source and TV and VCR Scart Video Output using the TV Installation menu. See page 23.



REAR PANEL

Decoder, VCR, TV, Hi-Fi (using RCA Connectors)

NOTE: It is recommended that you switch off the mains supply to the decoder before connecting or disconnecting the LNB connector.

1 Connect the terrestrial antenna to the RF IN socket on the decoder.

2 Using the supplied flylead , connect the RF OUT on the decoder to the RF IN on the VCR.

3 Using the flylead supplied with the VCR, connect the RF OUT on the VCR to the RF IN on the TV.

4 Connect the coaxial cable connector from the LNB on the satellite dish into the socket marked LNB IN on the decoder. Tighten the connector finger tight.

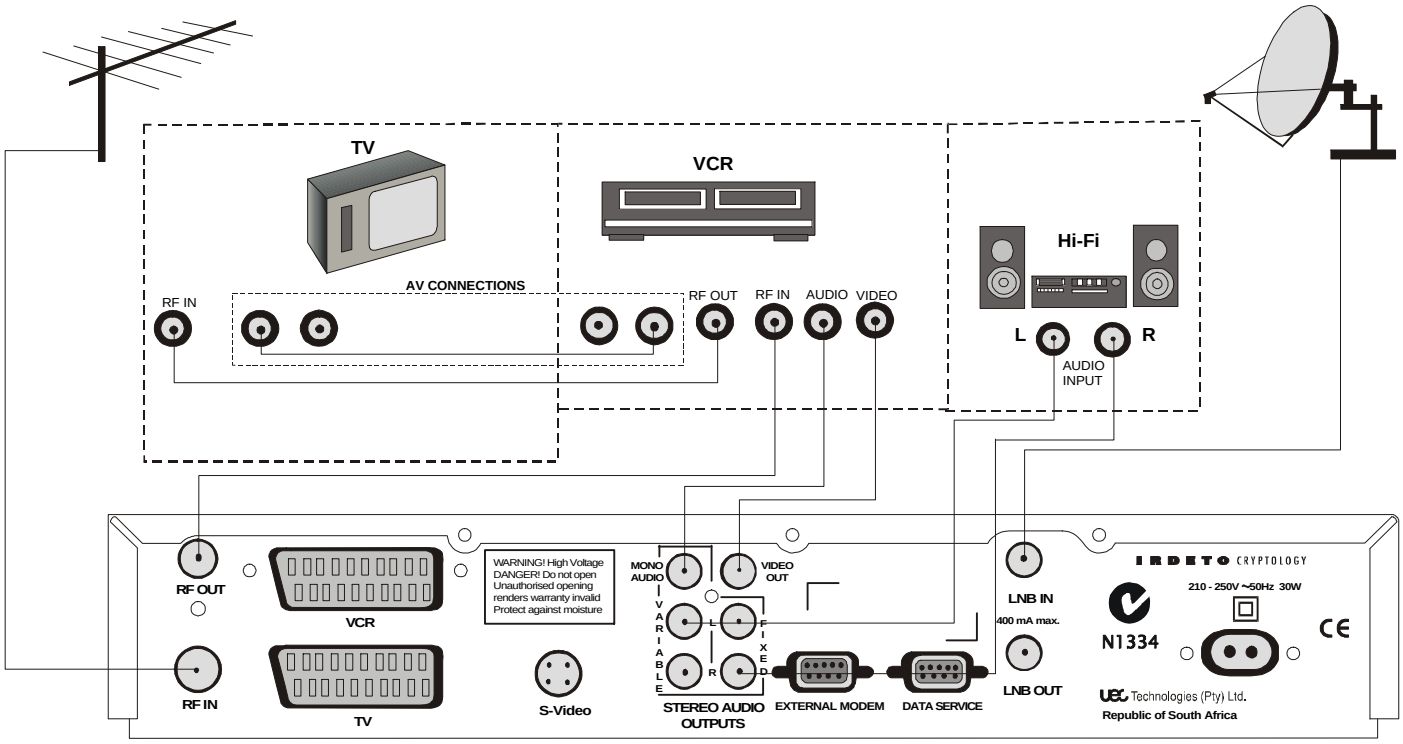
5 If the TV and VCR have AV connectors, connect as shown in the diagram.

6 Connect the VIDEO OUT connector on the decoder to the VIDEO IN connector on the VCR.

7 Connect the MONO AUDIO socket on the decoder to the AUDIO IN socket on the VCR.

NOTE: If your VCR has a stereo audio input, connect the FIXED stereo audio outputs from the decoder to the VCR stereo audio connector.

8 Switch the power on to the decoder.



REAR PANEL

Two Satellite Decoders, TV (using RF Connector)

The TV SCART connector on a second analogue or digital receiver has audio, video (RGB) and composite video input connections that can be used to view programmes. If a second receiver is connected, signals from selected sources are automatically routed internally in the decoder to the TV SCART connector.

1 Connect the terrestrial antenna connector to the RF IN socket on the decoder.

NOTE: **It is recommended that you switch off the mains supply to the decoder before connecting or disconnecting the LNB**

2 Using a SCART-to-SCART cable (not supplied), connect the TV SCART socket on the decoder to the SCART socket on the TV.

3 If the TV does not have a SCART connector, use the supplied flylead to connect the RF OUT socket of the decoder to the RF IN socket on the TV.

4 Connect the coaxial cable connector from the LNB on the satellite dish into the socket marked LNB IN on the decoder. The connector on the coaxial cable should be turned until it is finger tight

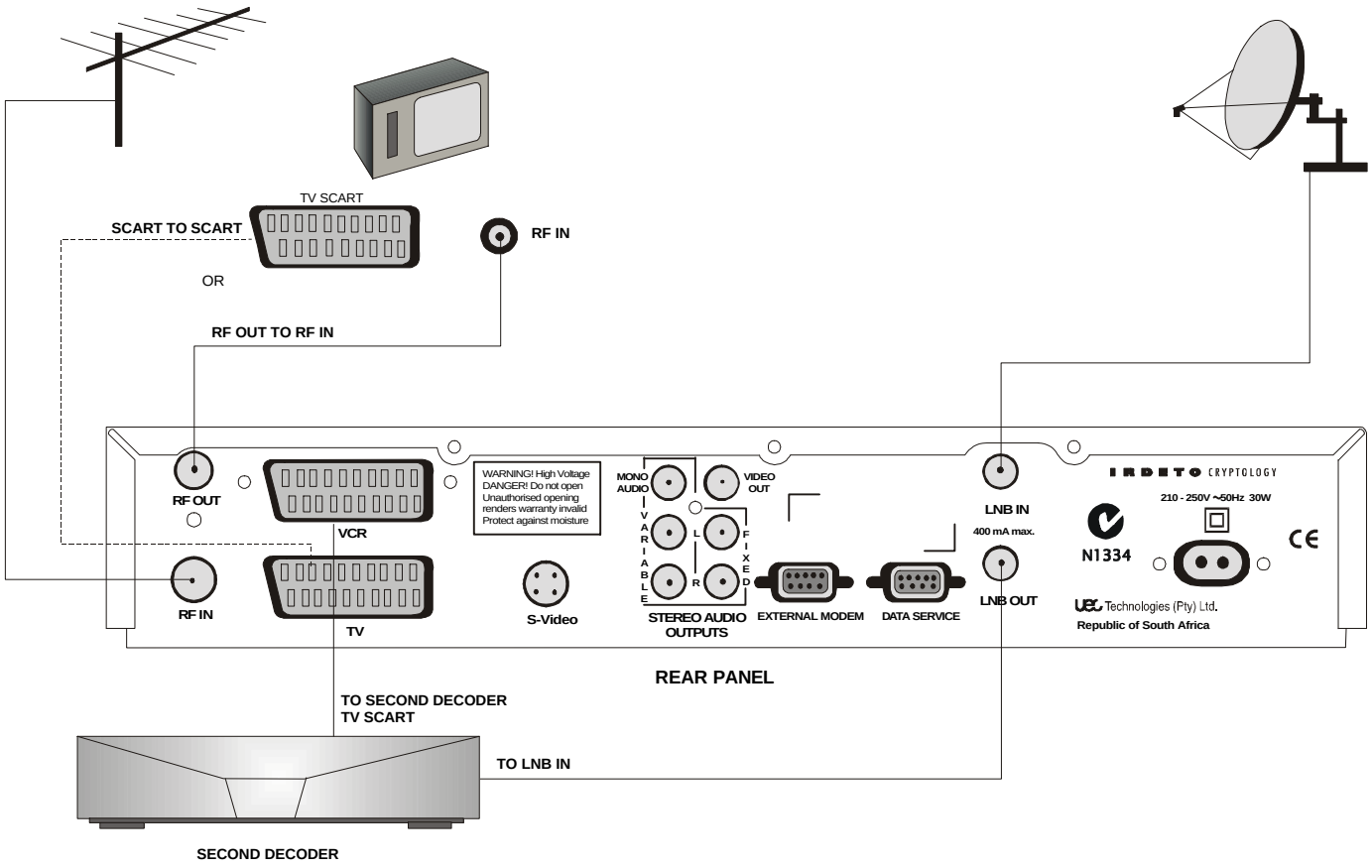
5 On the first decoder, connect a second cable with F-type connectors (not supplied), from the LNB OUT connector to LNB IN connector on the second decoder.

6 Connect a second SCART to SCART connector between the VCR SCART connector on the decoder and the TV SCART on the second decoder.

RCU UHF Button Selection Functions

Pressing UHF on the RCU with the second decoder connected and operating, selects the TV viewing source in the sequence VCR, TV and IRD. If VCR is selected, the satellite picture is routed to the TV and VCR from the second decoder.

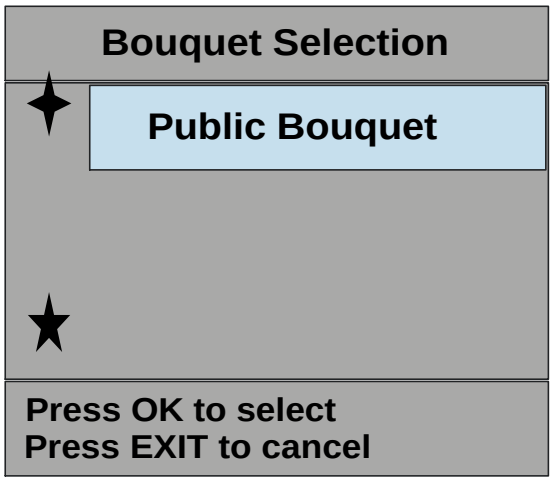
If a second satellite decoder is being used, consult the installer as to the menu setup requirements.



Bouquet Selection

The TV services are transmitted in packages called BOUQUETS, each bouquet containing a series of services. The decoder has provision for several bouquets, any of which can be selected by pressing TV on the RCU, highlighting the required bouquet using the up/down arrows on the RCU , then following the on-screen instructions. Currently there is only one bouquet available called the Public Bouquet, ther may be more bouquets available in the future and to access them follow the above procedure.

When a bouquet is selected, the services in that bouquet will be listed numerically in the Electronic Programme Guide (see page 15).



Selecting Specific Services

Specific TV or Audio Services can be selected, either:

- Directly
- By stepping through services
- By using the Open TV Electronic Programme Guide (EPG), or
- By using the Open TV Information Bar.

Selecting Services Directly

Services can only be selected directly using the RCU. To select a specific service, do the following:

1 To select an audio service, press ♫ on the RCU. Press TV to restore TV services.

2 Press the number of the required service on the RCU's numerical keypad.

The specific service will be heard/displayed after a few moments accompanied by an information box at the bottom of the TV screen with details of the selected service.

NOTE: **To select services requiring two-digit numbers, i.e.,10-99, press the first digit, then the second digit without pausing.**

TIP: When the key for the first digit is pressed on the RCU, the corresponding number is displayed on the left of the front panel numerical display on the decoder. After a few moments, the number moves to the right. The second digit of two digit numbers must be keyed in before this move takes place.

Stepping through Services

Stepping through services is possible using either the RCU or decoder front panel keys.

Stepping using the RCU

To step through services using the RCU, do the following:

1 Select the type of service required, TV or audio (♫)

2 Press P+ to step to the next service or P - to step to the previous service in the list of available services.

After pressing P+ or P -, an information box is displayed at the bottom of the TV screen with details of the service. After a few seconds, the relevant service is displayed/heard.

3 If required, continue stepping by pressing P+ or P - until you find the service you prefer. It is not necessary to wait for services to be displayed/heard before stepping to the next or previous service.

If you decide to watch or listen to a service you have stepped to, wait for the service to be displayed/heard. The information box will disappear after a short while or can be removed immediately by pressing EXIT.

NOTE: **When you reach the last available service in the list and press P+ you are returned to the first service in the list.**

TIP: Use the convenient selecting and sorting facilities to personalise the services list. After using these facilities, your favourite services will be in your order of preference. Refer to page 20.

Stepping using the Decoder Front Panel Keys

To step and select a specific service using the decoder front panel keys, do the following:

1 Select the type of service required, by pressing TV/♫ to switch between TV services and audio services. Selection of the audio service is indicated by a green indicator on the front panel display.

2 Press▲ (up) to step to the next service or▼ (down) to step to the previous service in the list of available services.
After pressing ▲or ▼, an information box is displayed at the bottom of the TV screen with details of the service. After a few seconds the relevant service is displayed/heard.

3 Continue stepping, by pressing ▲ or ▼ until you find the service you prefer. It is not necessary to wait for services to be displayed/heard before stepping to the next or previous service.

To view/listen to any service you have stepped to, wait for the service to be displayed/heard. The information box will disappear after a short while.

NOTE: **When you reach the last service in the list, pressing ▼ returns you to the first service in the list. The ▼ and▲ symbols have dual functions and cannot be used for stepping while the volume control box is displayed on the screen. This box is displayed when setting the volume, see page 14.**

Selecting Specific Services from the EPG

NOTE: For a description of the Electronic Programme Guide (EPG) refer to page 15.

Selecting Services from the Information Bar

NOTE: A description of the Information Bar is on page 16.

Controlling the Show

Volume Control using the RCU Keys

NOTE: It is recommended that you first select a terrestrial channel, then set the volume on the TV to a comfortable listening level.

To change the volume level on the decoder, select your satellite service, then press V+ to increase the volume level or V- to reduce the volume level. The following is displayed on the TV screen when adjusting volume:

The volume level is depicted by the length of the highlight bar.

NOTE: The Fixed Stereo Sound Outputs (Left and Right) cannot be controlled with the volume control keys on the RCU or on the front panel.

Volume Control using the Decoder Keys

To change the volume level, press P/V on the decoder. The volume is again displayed for a brief time:

While the volume control window is displayed, press and release ▲ or ▼ respectively to increase or reduce the volume level in separate steps. The change in volume level is depicted by the changing length of the highlight bar.

NOTE: The Variable Stereo Sound Outputs (Left and Right) can be controlled using the volume control keys on the RCU or on the front panel.

Mute

To mute the audio do the following:

1 Press on the RCU. The following window is displayed for 3 seconds and the audio muted:

2 To restore the audio press again. The audio is restored at the previous level and the volume control window displayed for 3 seconds.

3 Adjust the volume level using V+ and V-.

NOTE: The mute function is disabled when the FIXED STEREO audio outputs (Left and Right) on the decoder are used. This ensures a fixed volume level for recording purposes. The VARIABLE STEREO audio outputs (Left and Right) of the decoder can, however, be muted.

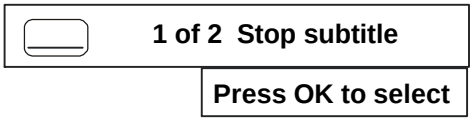
Displaying Subtitles or Teletext

Subtitles

If subtitles are available, they are normally displayed on the screen as part of the program.

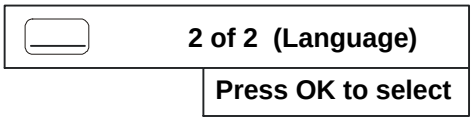
To remove a subtitle do the following:

1 Press symbol on the RCU. A box is displayed on the TV screen as follows:



NOTE: If subtitles are not available, a "No subtitling" window is displayed for 5 seconds. Press EXIT if required.

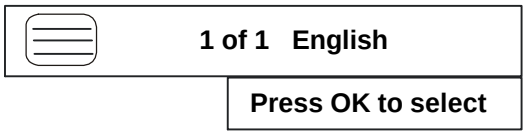
2 To restore the subtitles, press again. The following box is displayed



Teletext

Some services (e.g., CNN) have a teletext service. This can be selected as follows:

1 With the service selected, i.e., CNN, press symbol twice on the RCU. The following box is displayed:



If teletext is not available, a "No teletext" window is displayed for 5 seconds. If other languages are available keep pressing the symbol until the language is selected.

2 To make the teletext transparent press the symbol again.

3 To page up or down, press P+ or P- on the RCU. To change to a distant page, select the page number on the RCU keypad, then press OK

4 To clear the teletext , press EXIT on the RCU.

Clock

To view the time do the following:

1 Press ◷ on the RCU. The date and time are displayed for a few seconds. If required press EXIT to clear.

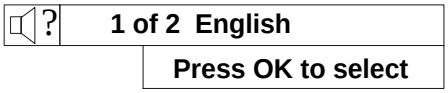
Selecting Soundtracks

Available soundtracks, included with programmes, can be heard and selected at any time while watching a programme.

NOTE: Preferred soundtrack languages for automatic selection can be set using the menu system. Refer to Soundtrack Options (page 19).

To listen to and select available soundtracks, do the following:

1 Press 🔊? on the RCU. The current soundtrack language is displayed as follows:



Pressing OK selects the option listed.

2 Press the symbol again. If there are additional soundtracks available, the next soundtrack option is listed in the window. Continue pressing to cycle through all the available soundtracks.

3 Press OK to select a soundtrack language. The soundtrack window is displayed and the new soundtrack is heard.

Power Reset

If your TV picture freezes for a prolonged period, it is possible to reset the decoder without unplugging it from the power supply. Simultaneously press then release the ⏻ and TV/♫ buttons on the decoder front panel.

Signal Source Selection

Switching between signal source devices is automatic by using the UHF button on the RCU. To select between the available signal sources, a single press-release of the UHF button in normal running mode (i.e., not in menu or EPG) switches to the next source. This is an override selection in that it will switch to VCR even if a VCR is not playing.

The signal source is indicated on the decoder front panel display. The available options are:

! Decoder (IRD): This allows you to use your satellite services. If yourTV and decoder are connected through SCART, this will automatically switch your TV to AV and keep control of it. If you do not wish this function to take place automatically, it can be changed in the Installatrion menu. IRD is temporarily displayed on the decoder front panel, defaulting to the channel number.

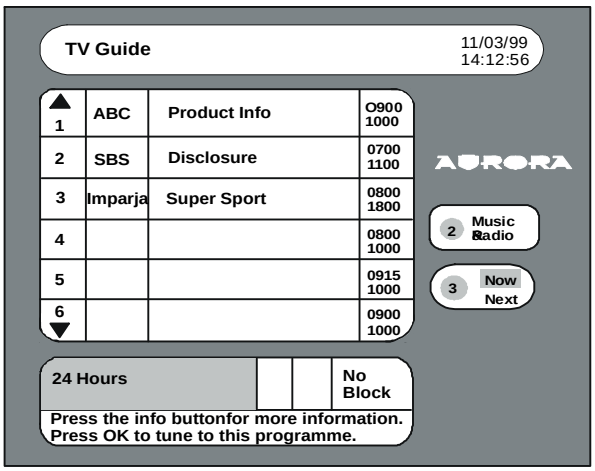
! VCR: This allows you to view a program on the VCR. Press Play on the VCR to view. If the VCR is in standby (off), and it has a second SCART input, any source connected to the SCART will be passed on to the decoder. VCR is temporarily displayed on the decoder front panel.

! TV: If your decoder and TV are connected through SCART, it will allow normal terrestrial channels to be viewed on the TV. If the TV connector is not used, it will have the same effect as the IRD setting.

Electronic Programme Guide

Using the EPG

1 On the RCU, press TV GUIDE. An on-screen menu is displayed as follows:



NOTE: TV programmes are not displayed and audio not heard while the EPG screen is displayed.

2 Use the cursor keys ▲ or ▼ to scroll up or down the list, as only six events are shown on the screen. When the last event is highlighted and you press ▼, six new events are displayed and the highlight is put at the top of the list. This also works for scrolling up.

The list is continuous, so after the last service the Guide starts displaying service 1 again.

The current programmes are listed when NOW is selected and the programmes to follow are listed when NEXT is selected.

3 To move between the NOW or NEXT programmes, press 3 on the RCU.

4 Select the highlighted programme to view/hear by pressing OK. NEXT programmes cannot be viewed before their start time.

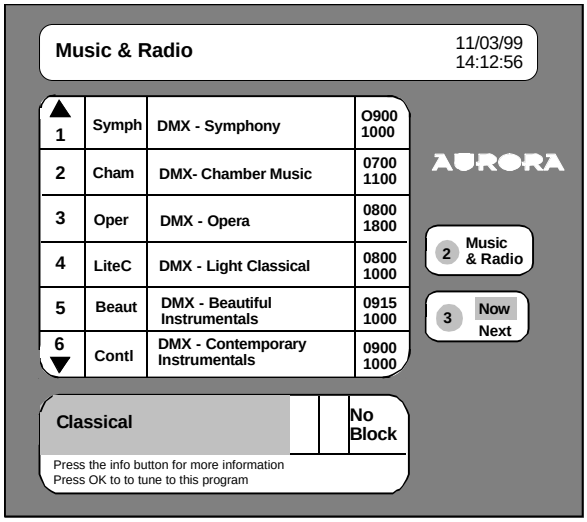
Pressing OK with NEXT selected sets a program reminder and a clock symbol appears in the information box at the bottom of the screen, indicating a reminder. To remove the reminder press OK again; the clock symbol disappears and a message appears indicating that the reminder has been cancelled.

5 Additional information on the program is displayed when ***i*** on the RCU is pressed with a service on the the EPG selected. Press EXIT to return to the EPG.

6 Press 2 on the RCU to enter the Music & Radio guide. The Music & Radio guide behaves exactly the same as the TV guide. Pressing 1 on the RCU takes you back to the TV guide.

7 Press OK to return to normal viewing/listening.

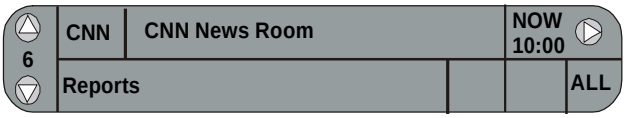
8 In all programme guides, additional information on the programs is displayed when ***i*** on the RCU is pressed while the EPG is displayed and programme highlighted.


Music & Radio
11/03/99
14:12:56
1 Symph DMX - Symphony O900 1000
2 Cham DMX- Chamber Music 0700 1100
3 Oper DMX - Opera 0800 1800
4 LiteC DMX - Light Classical 0800 1000
5 Beaut DMX - Beautiful Instrumentals 0915 1000
6 ContI DMX - Contemporary Instrumentals 0900 1000
AURORA
2 Music & Radio
3 Now Next
Classical
No Block
Press the info button for more information
Press OK to to tune to this program

OPEN TV INFORMATION BAR

At any time whilst watching TV services or listening to radio services, the viewer can obtain information about the current programme and select available programmes via the Information Bar.

1 Press ***i*** on the RCU. The following window is displayed:



2 Use the cursor keys ▲ or ▼ to scroll up or down through titles on other services, whilst simultaneously watching the current service. The current programmes are listed when NOW is selected and the programmes to follow are listed when NEXT is highlighted.

Pressing ***i*** with the Information Bar displayed, provides additional information on the programme.The local time will also be displayed on the TV when the Information Bar is displayed.

3 Move between the NOW or NEXT programmes by pressing ◀ or ▶ on the RCU.

4 With NEXT selected, an Information Bar appears that displays the next programme. Pressing OK sets the reminder and a clock symbol appears in the Information Box. Pressing OK again removes the reminder.

NEXT programmes cannot be viewed before their start time. To exit the Information Box, press EXIT.

5 When viewing a programme, to tune to another programme press the numbered keys on the RCU. The Information Bar will be displayed for X seconds (see Information Box Display Period, page 20).

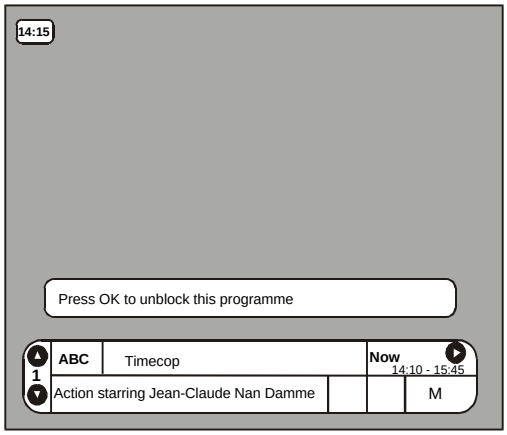
REMINDERS

The procedure for setting and removing a reminder has already been detailed.

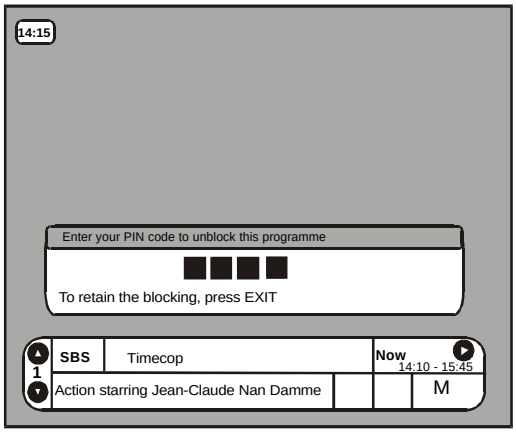
Refer to Open TV Electronic Programme Guide page 15 or Open TV Information Bar page 17. At the right time a reminder message pops up. If you intend to watch the booked programme, press OK on the RCU which tunes the decoder to the new service. Otherwise press EXIT to remove the message, while remaining tuned to the original service.

PROGRAMME BLOCKING

When the user has selected a service where there is a parentally blocked programme, a “key” symbol is displayed in the Information Bar (bottom right). The message above the Information Bar indicates that the user should press OK to unblock the programme.

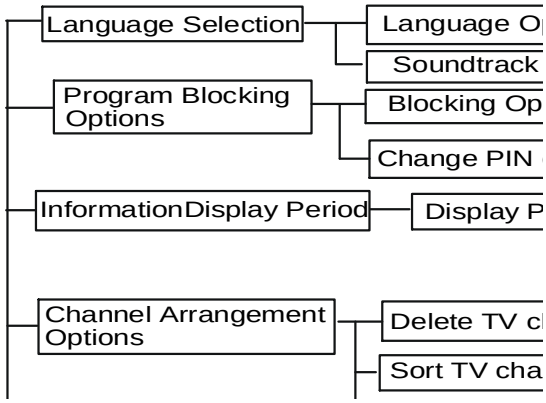


1 Press OK. A screen requiring the Parental PIN code is displayed.



2 Enter your Parental PIN code using the keypad. Refer to Program Blocking Options page 19. The programme is then unblocked.

Menu Navigation Route

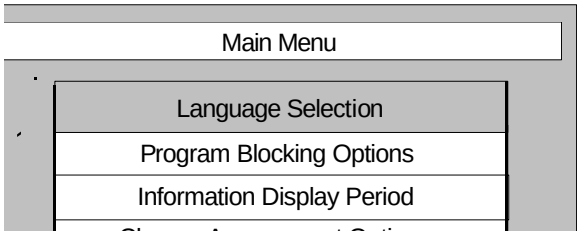


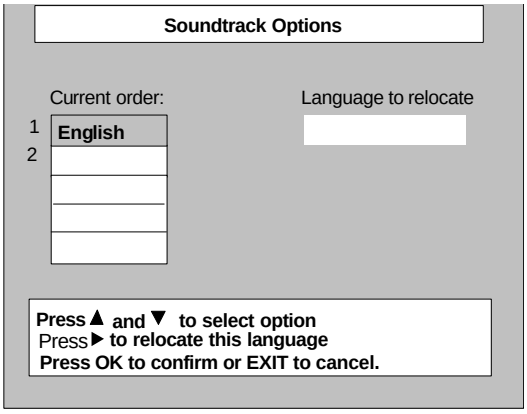
NG MENUS

se the Menu system:

Ensure that the decoder is not in standby mode by pressing ⏻ if necessary.

Press MENU on the RCU. The following Main Menu is displayed, which provides access to all other menus as shown in the following figure:





- On the RCU, press ▲ or ▼ arrow to highlight the preferre language that you wish to relocate from the list.

the service.

rmation Box Display Period

period of time that the Information Bar is displayed is either to
or too short, change the Information Bar display time as
ws:

Press MENU on the RCU.
The Main Menu options list is displayed.

On the RCU, press ▼ to highlight Information Box Display Period.

Press OK.The Information Box Display Period screen is displayed.

Press ◀ or ▶ to change the info display period (in seconds).

Press OK to confirm the new time or EXIT to cancel the

move using ▲ or ▼ on the RCU.

' Press ▶ to move this service into the **service to reloc** box.

ł Press ▲or ▼to highlight the position where you want th service from the relocation box to be placed.

) Using ◀, move the service that is now in the relocation b into the new position in the current order list.

.0 Repeat steps 6 to 9 until all services are set as you wish

.1 Press OK to confirm your selections.
The Organising Services menu is displayed.

.2 Press EXIT to return to the Main Menu or MENU to return the service.

Original TV Channel Setup

ost installations the correct setting for the LNB Power is “On
ain special applications may require the setting to be “Off”.

et the LNB Power “On” or “Off”, do the following:

Press MENU on the RCU.
The Main Menu options list is displayed.

On the RCU, press ▼to highlight Advanced Options.

Press OK.
The Advanced Options Menu is displayed, in which the Chang
Dish Installation option is highlighted.

Press OK.
The PIN Code for Installation screen is displayed.

Type the PIN code 9949 using the keypad on the RCU. See
Note. After successfully entering the installation PIN, the Chang

The Information Menu has three sub-menus, DSD Status, CA S
and Loader Status, which provide important diagnostic and v
information to technical personnel. These status screen are rea
screens. You may be asked to read some of this information to Hc
personnel.

To view the information do the following:

DSD Status

1. Press MENU on the RCU.
   The Main Menu options list is displayed.

2. On the RCU, press ▼ to highlight Advanced Options.

3. Press OK.
   The Advanced Options Menu is displayed.

4. Press ▼ to highlight Information.

screen allows the user to set the sources for the various
RT connectors on the decoder.

options available for each SCART source are:

a. Satellite

b. TV

c. Video recorder

hange the settings of Scart Source screen, do the following:

Repeat steps 1 to 6 for setting the TV Type (page 23).

Press ▼ to highlight SCART Source.

Press OK. The SCART Source option is displayed.

'o upgrade the DSD software or check whether an upgrade is
ıble, carry out the following:

1. Press the menu button on the RCU once. The Main Mer
appear on the TV set.

2. Press ▼ to highlight Advanced Options.

3. Press OK.
The Advanced Options Menu is displayed.

4. Press ▼ to highlight DSD Upgrade.

5. Press OK.

The Upgrade screen is displayed with the message “Checki
ıpgrade”. At this point, depending on whether an upgrade is ava
or not, one of the following two messages appears on your TV s

Failure: no download found. or **The upgrade will**

ecoder ront Panel	Message/Display on TV Screen or Symptom	
	Any menu is displayed	Nor is ir
ank display	Blank screen (TV switched on)	No r
nall green dot	Blank screen (TV switched on)	Norr is in

Decoder Front Panel	Message/Display on TV Screen or Symptom
Error dot (red)	E04 Please insert Smart Card
Error dot (red)	E05 Unknown card
Error dot (red)	E06 Smart Card failure
Error dot (red)	E07 Checking Smart Card

Decoder Front Panel	Message/Display on TV Screen or Symptom	
ror dot (red)	E28 Credit limit reached	E C
rror dot (red)	E30 Service is currently scrambled	A
ror dot (red)	E30 Service is currently scrambled	A
ror dot (red)	E31 Service is currently scrambled	A
rror dot (red)	E32 Service is currently scrambled	A
	E34 Service is currently	

Due to continued product improvement, this specification is sub
to change without prior notice.

GENERAL

Front Panel Control Buttons	On/Standby, TV/Audio, Program Volume up/down
Reset	On/Standby and TV/Audio simultaneously
RCU	Multi-button, infrared, battery operated RCU. Range 7 m, ± 45E in horizontal plane, ± 20E in the vertical plan Batteries Type AAA
User Interface	Full On-screen Display with poi and select menus for setup. TV

)TLINES

UFACTURERS WEBSITE: http://www.uec.co.za

NOTES